



National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:1999

Arizona Department of Weights and Measures Metrology Laboratory

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CALIBRATION LABORATORIES

NVLAP LAB CODE 200381-0

NVLAP Code: 20/A01

ANSI/NCSL Z540-1-1994; Part 1

Compliant

MECHANICAL

NVLAP Code: 20/M08

Mass - Metric

Range	Best Uncertainty (\pm) ^{note 1}	Remarks
500 kg	4.5 g	Echelon II
250 kg	4.4 g	Echelon II
30 kg	29 mg	Echelon II
20 kg	28 mg	Echelon II
10 kg	27 mg	Echelon II
5 kg	2.6 mg	Echelon II
3 kg	2.4 mg	Echelon II
2 kg	2.3 mg	Echelon II
1 kg	0.08 mg	Echelon II
500 g	0.07 mg	Echelon II
300 g	0.07 mg	Echelon II
200 g	0.065 mg	Echelon II
100 g	0.023 mg	Echelon II
50 g	0.028 mg	Echelon II
30 g	0.026 mg	Echelon II
20 g	0.025 mg	Echelon II

2006-10-01 through 2007-09-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



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10 g	0.011 mg	Echelon II
5 g	0.0051 mg	Echelon II
3 g	0.0044 mg	Echelon II
2 g	0.0039 mg	Echelon II
1 g	0.0038 mg	Echelon II
500 mg	0.0033 mg	Echelon II
300 mg	0.0031 mg	Echelon II
200 mg	0.0030 mg	Echelon II
100 mg	0.0014 mg	Echelon II
50 mg	0.0014 mg	Echelon II
30 mg	0.0014 mg	Echelon II
20 mg	0.0013 mg	Echelon II
10 mg	0.0014 mg	Echelon II
5 mg	0.0013 mg	Echelon II
3 mg	0.0014 mg	Echelon II
2 mg	0.0013 mg	Echelon II
1 mg	0.0014 mg	Echelon II
500 kg	8.2 g	Echelon III
250 kg	7.9 g	Echelon III
50 kg	97 mg	Echelon III
25 kg	84 mg	Echelon III
20 kg	84 mg	Echelon III
10 kg	84 mg	Echelon III
5 kg	4.8 mg	Echelon III
4 kg	5.0 mg	Echelon III
3 kg	4.7 mg	Echelon III
2 kg	4.7 mg	Echelon III
1 kg	4.5 mg	Echelon III
500 g	4.5 mg	Echelon III
300 g	4.5 mg	Echelon III
200 g	0.13 mg	Echelon III
100 g	0.11 mg	Echelon III
50 g	0.11 mg	Echelon III

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30 g	0.11 mg	Echelon III
20 g	0.11 mg	Echelon III
10 g	0.11 mg	Echelon III
5 g	0.016 mg	Echelon III
3 g	0.016 mg	Echelon III
2 g	0.016 mg	Echelon III
1 g	0.016 mg	Echelon III
500 mg	0.011 mg	Echelon III
300 mg	0.011 mg	Echelon III
200 mg	0.011 mg	Echelon III
100 mg	0.011 mg	Echelon III
50 mg	0.010 mg	Echelon III
30 mg	0.010 mg	Echelon III
20 mg	0.010 mg	Echelon III
10 mg	0.010 mg	Echelon III
5 mg	0.010 mg	Echelon III
3 mg	0.010 mg	Echelon III
2 mg	0.010 mg	Echelon III
1 mg	0.010 mg	Echelon III
Mass - Avoirdupois		
1000 lb	0.0097 lb	Echelon II
500 lb	0.0097 lb	Echelon II
50 lb	29 mg	Echelon II
30 lb	28 mg	Echelon II
25 lb	27 mg	Echelon II
20 lb	27 mg	Echelon II
10 lb	3.0 mg	Echelon II
5 lb	2.4 mg	Echelon II
3 lb	2.3 mg	Echelon II
2 lb	0.29 mg	Echelon II
1 lb	0.078 mg	Echelon II
0.5 lb	0.066 mg	Echelon II
0.3 lb	0.036 mg	Echelon II

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0.2 lb	0.031 mg	Echelon II
0.1 lb	0.028 mg	Echelon II
0.05 lb	0.025 mg	Echelon II
0.03 lb	0.025 mg	Echelon II
0.02 lb	0.0096 mg	Echelon II
0.01 lb	0.0048 mg	Echelon II
0.005 lb	0.0040 mg	Echelon II
0.003 lb	0.0040 mg	Echelon II
0.002 lb	0.0035 mg	Echelon II
0.001 lb	0.0032 mg	Echelon II
8 oz	0.066 mg	Echelon II
4 oz	0.035 mg	Echelon II
2 oz	0.028 mg	Echelon II
1 oz	0.026 mg	Echelon II
1/2 oz	0.026 mg	Echelon II
1/4 oz	0.024 mg	Echelon II
1/8 oz	0.0045 mg	Echelon II
1/16 oz	0.0040 mg	Echelon II
1/32 oz	0.0035 mg	Echelon II
5000 lb	11 g	Echelon III
2500 lb	9.2 g	Echelon III
2000 lb	8.5 g	Echelon III
1000 lb	8.2 g	Echelon III
500 lb	7.9 g	Echelon III
50 lb	84 mg	Echelon III
30 lb	84 mg	Echelon III
25 lb	84 mg	Echelon III
20 lb	84 mg	Echelon III
10 lb	4.9 mg	Echelon III
5 lb	4.7 mg	Echelon III
4 lb	4.7 mg	Echelon III
3 lb	4.7 mg	Echelon III
2 lb	4.5 mg	Echelon III

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1 lb	4.5 mg	Echelon III
0.5 lb	4.7 mg	Echelon III
0.3 lb	0.11 mg	Echelon III
0.2 lb	0.11 mg	Echelon III
0.1 lb	0.11 mg	Echelon III
0.05 lb	0.11 mg	Echelon III
0.03 lb	0.11 mg	Echelon III
0.02 lb	0.11 mg	Echelon III
0.01 lb	0.016 mg	Echelon III
0.005 lb	0.011 mg	Echelon III
0.003 lb	0.011 mg	Echelon III
0.002 lb	0.011 mg	Echelon III
0.001 lb	0.011 mg	Echelon III
8 oz	4.7 mg	Echelon III
4 oz	0.11 mg	Echelon III
2 oz	0.11 mg	Echelon III
1 oz	0.11 mg	Echelon III
1/2 oz	0.11 mg	Echelon III
1/4 oz	0.11 mg	Echelon III
1/8 oz	0.011 mg	Echelon III
1/16 oz	0.011 mg	Echelon III
1/32 oz	0.011 mg	Echelon III

NVLAP Code: 20/M12
Volume

Range	Best Uncertainty (\pm) in inches³ <i>note 1</i>	Remarks
1000 gal	24	Volume Transfer
500 gal	17	Volume Transfer
200 gal	8	Volume Transfer
100 gal	5.5	Volume Transfer
50 gal	3.5	Volume Transfer
15 gal	2.1	Volume Transfer
5 gal	0.93	Volume Transfer

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1 gal	0.73	Volume Transfer
20 gal	3.1	Volume Gravimetric
15 gal	0.80	Volume Gravimetric
5 gal	0.26	Volume Gravimetric
1 gal	0.12	Volume Gravimetric

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1. Represents an expanded uncertainty using a coverage factor, $k = 2$, at an approximate level of confidence of 95 %.

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